

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Complete if Known

Application Number	09/894,125
Filing Date	June 29, 2001
First Named Inventor	Shunpei YAMAZAKI et al.
Group Art Unit	2823
Examiner Name	Brook Kebede
Attorney Docket Number	0756-2330

(use as many sheets as necessary)

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature	<i>broon Kebede</i>	Date Considered	12/10/2004
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/894,125
Filing Date	June 29, 2001
First Named Inventor	Shunpei YAMAZAKI et al.
Group Art Unit	2823
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Sheet 1 of 1

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BU		JP	07-130652			05/19/1995		AB

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Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BU		R. Shimokawa et al., <i>Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement</i> , Japanese Journal of Applied Physics, Volume 27, No. 5, May, 1988, pp. 751-758	
BU		H. Furue et al., <i>P-78: Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCSD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability</i> , SID, 1998	
BU		T. Yoshida, 33.2: <i>A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time</i> , SID Digest, 1997, pp. 841-844.	
BU		H. Dorin, et al., <i>Chemistry the Study of Matter</i> , Prentice Hall, Fourth Edition, 1992, p. 532.	
BU		Y. Aya, et al., <i>Improvement of SPC Poly-Si Film Using the ELA Method</i> , 1997 International Workshop on Active-Matrix Liquid-Crystal Displays, September 11-12, 1997, pp. 167-170.	
BU		H. Abe, et al., <i>High-Performance Poly-Crystalline Silicon TFTs Fabricated Using the SPC and ELA Methods</i> , 1998 International Workshop on Active-Matrix Liquid-Crystal Displays, July 9-10, 1998, pp. 85-88.	
BU		S. Inui, et al., <i>Thresholdless Antiferroelectricity in Liquid Crystals and its Application in Displays</i> , J. Mater. Chem., 1996, pp. 671-673	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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1 of 2

Application Number _____
 Filing Date June 29, 2001
 First Named Inventor Shunpei YAMAZAKI et al.
 Group Art Unit 2823
 Examiner Name B. Kebede
 Attorney Docket Number 740756-2130

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BK		5,147,826	Liu et al.	09/15/1992	X
BK		5,461,250	Burghartz et al.	10/24/1995	
BK		4,986,213	Yamazaki et al.	01/22/1991	
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BK		6,140,165	Zhang et al.	10/31/2000	
BK		6,096,581	Zhang et al.	08/01/2000	
BK		6,054,739	Yamazaki et al.	04/25/2000	
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Considered on 12/10/2004

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Office ² Number ² Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		Dorin et al., "Chemistry The Study of Matter", 1992, pp. 532, Prentice Hall	
		Aya et al., "Improvement of SPC poly-Si Film Using the ELA Method", September 11-12, 1997, pp. 167-170, AM-LCD.	
		Abe et al., High-Performance Poly-Crystalline Silicon TFT's Fabricated Using the SPC and ELA Methods", July 9-10, 1998, pp. 85-88, AM-LCD.	
		"Thresholds antiferroelectricity in liquid crystals and its application to displays", S. Inui et al., J. Mater. Chem., 6 (4), pages 671-673, 1996.	
BK		U.S. Patent Application Serial No. 09/369,158 "Semiconductor Device and Method of Manufacturing the Same".	
BK		U.S. Patent Application Serial No. 09/352,194 "Crystalline Semiconductor Thin Film, Method of Fabricating the Same Semiconductor Device, and Method of Fabricating the Same".	

Examiner Signature Brook Kebede Date Considered April 20, 2002

Brook Kebede

12/10/2004

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PTO/SB/08A (08-00)

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Substitute for form 1449A (10/99)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/894,125
Filing Date	June 29, 2001
First Named Inventor	Shunpei YAMAZAKI et al.
Group Art Unit	2823
Examiner Name	B. Kebede
Attorney Docket Number	0756-2330

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ³ (if known)			
BK		5,869,387		Sato et al.	02/09/1999	
BK		5,985,681		Hamajima et al.	11/16/1999	
BK		6,221,738		Sakaguchi et al.	04/24/2001	
BK		6,335,541		Ohtani et al.	01/01/2002	
BK		6,559,036		Ohtani et al.	05/06/2003	

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Examiner Signature	Brown Kebede	Date Considered	12/10/2004
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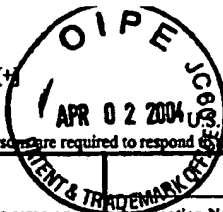
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				Application Number	09/894,125
				Filing Date	June 29, 2001
				First Named Inventor	Shunpei YAMAZAKI et al.
				Group Art Unit	2823
				Examiner Name	B. Kebede
Sheet 1 of 1	Attorney Docket Number		0756-2330		

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Office ³	Number ⁴	Kind Code ² (if known)				
BK		JP	09-312260			12/02/1997		AB

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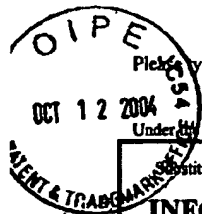
Examiner Signature	BROOK Kebede	Date Considered	12/10/2004
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				Filing Date	June 29, 2001
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BK		5,563,426		Zhang et al.	10/08/1996	
BK		6,100,562		Yamazaki et al.	08/08/2000	
BK		6,093,934		Yamazaki et al.	07/25/2000	
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BK		6,027,987		Yamazaki et al.	02/22/2000	
BK		5,907,770		Yamazaki et al.	05/25/1999	
BK		5,891,764		Ishihara et al.	04/06/1999	
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BK		JP	10-135469			05/22/1998		Full
BK		JP	10-125927			05/15/1998		Full

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BK		Final Office Action dated December 24, 2003 for U.S. Serial No. 09/908,727 filed July 20, 2001.	

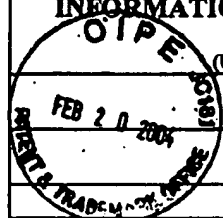
Examiner Signature	Brook Kebede	Date Considered	12/10/2004
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Sheet 1 of 2

Form PTO-1449 (Rev. 8-83)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No 56-2330	Serial No. Not Yet Assigned
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Shunpei YAMAZAKI et al. Filing Date: June 29, 2001 Group Art Unit: 2823	


 1017 U.S. PTO
 09/894125
 08/28/01

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BK	5,594,569	01/14/1997	Konuma et al.			
BK	5,643,826	07/01/1997	Ohtani et al.			
BK	5,923,962	07/13/1999	Ohtani et al.			
BK	5,854,096	12/29/1998	Ohtani et al.			
BK	5,616,506	04/01/1997	Takemura			
BK	5,696,386	12/09/1997	Yamazaki			
BK	5,712,191	01/27/1998	Nakajima et al.			
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BK	5,960,323	09/28/1999	Wakita et al.			
BK	6,093,937	07/25/2000	Yamazaki et al.			
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BK	6,077,731	12/20/2000	Yamazaki et al.			
BK	5,846,869	12/08/1998	Hashimoto et al.			
BK	5,365,875	11/22/1994	Asai et al.			
BK	5,529,937	06/25/1996	Zhang			
BK	5,923,966	07/13/1999	Teramoto et al.			
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Document Number	Date	Country	Class	Subclass	Translation	No
07-130652	05/19/1996	Japan			Abstract	
08-078329	03-22-1996	Japan			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Characterization of High-Efficiency Crystalline Silicon Solar Cell Wafers by MBIC Measurement", Ryuichi Shimokawa et al., Japanese Journal of Applied Physics, Vol. 27, No. 5, pages 751-758, 1988.
	"Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCs Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability", H. Furue et al., SID 1998
	"A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time", T. Yoshida et al., SID DIGEST, pages 841-844, 1997.

 Examiner Brook Kebede Date Considered April 20, 2002

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